Please amend the paragraph at page 5, lines 8 and 9, as follows: 3/16

[-] Figure 3 is a three-dimensional image obtained as a result of a translational motion with the image of Figure 2 [.] ; and

Please amend the paragraph at page 5, lines 10 and 11, as follows: 3/16

[-] Figure 4 is a view of the predetermined volume with a part of the three-dimensional image in degraded mode.

Please amend the paragraph at page 5, line 12 ~~to page~~, as follows: 3/16

Referring to Figure 1, a display window 1 shows a main blood vessel 2, branching out into a multitude of secondary blood vessels 2a-2f. On an upper part of the main blood vessel, there is an aneurysm 3 ~~which~~ that is hard to distinguish, for it is surrounded by secondary blood vessels 2b-2f. When a radiologist wishes to study this aneurysm 3, he can pivot the image, in a manner well known to one skilled in the art, in order to visualize it at different angles. But, as can be seen on the image, the group of secondary blood vessels 2a-2f surrounding the aneurysm 3 prevents good visibility of the latter, whatever the angle of view. In order to be able to pass beyond the secondary vessels 2b-2f and enter a restricted space in which the aneurysm 3 is clearly visible, an embodiment of the invention provides for the isolating of the aneurysm 3 in a given volume.

Please amend the paragraph at page 7, line 15 ~~to page 7, line 8~~, as follows: 3/16

As can be seen in Figure 4, another ~~advantageous~~ characteristic of an embodiment of the invention is the possibility of displaying the sphere 5 and a part of the three-dimensional image not contained in the sphere on the same window. The part not contained in the sphere is displayed in degraded mode, for example, with a weaker gray level than the gray level of the image contained in the sphere 5. To visualize the sphere 5 well, the part of the three-dimensional image not contained in the sphere is equivalent to a part of the three-dimensional image that would be determined by placing an empty cylinder, the axis of